8 SLEGWASEWVLPLLKPVEQCWQPQNFLPDPS-LPHEEFSHQVKELRERTKELPDEYFVVLVGDMVTEDALPTYQTMINNLDGVKDDSGT HLEPWAEAHVLPLLKPAEEAWQPSDMLPDPAALGDEGFHDACRELRARAASVPDAHLVCLVGNMITEEALPTYQSVPNRFEAVRDLTGA SLEGWAARSLLPLLKPVEECWQPADFLPDSSSEMFGHEVRELRARAAGLPDEYFVVLVGDMVTEEALPTYQTMINTLDGVRDETGA	SLEGWARSSLLPLLKPVEECWQPTDFLPDSSSEMFEHQVHELRARAGLPDEYFVVLVGDMITEEALPTYQTMINTLDGVRDETGA SLESWASQSVLPLLKPVEQCWQPQEFVPDSS-LPFGDFTDQVKALRDRTAELPEEYFVVLVGDMITEDALPTYQSMINNLDGVRDETGS SLEGWAEENVLVHLKPVEKCWQPQDFLPDPASEG-FMDQVKELRERTKEIPDEYLVVLVGDMITEEALPTYQTMLNTLDGVRDETGA SMENWAQENLLSYLKPVEASWQPQDFLPETNDEDRFYEQVKELRDRTKEIPDDYFVVLVGDMITEEALPTYQTTLNTLDGVKDETGA SLEGWAEDVLLPHLKPVEKCWQPQDFLPEPESDG-FEEQVKELRARAKELPDDYFVVLVGDMITEEALPTYQTMLNTLDGVRDETGA	254 SPSPWAVWTRAWTAEENRHGDLLRTYLYLSGRVDMAKVEKTVHYLISAGMDPGTDNNPYLGFVYTSFQERATFVAHGNTARLAKEGGD DSTAWARWIRGWSAEENRHGDLLRTYLYLSGRVDMRQVDRTVHRLIASGMANNAARSPYHGFIYVAFQERATFVAHGNTARLARAHGD SNCPWAVWTRAWTAEENRHGDILGKYMYLSGRVDMRWVEKTVQYLIGSGMDPGTENNPYLGFVYTSFQERATAVSHGNTARLARAHGD SACPWAVWTRTWTAEENRHGDILGKYMYLSGRVDMRWVEKTVQYLIGSGMDPGTENNPYLGFVYTSFQERATAVAHGNTARLAKEGGD SACPWAVWTRTWTAEENRHGDILGKYMYLSGRVDMRKIEKTVQYLIGSGMDPGTENNPYLGFVYTSFQERATFVSHGNTARLAKEGGD SLTSWALWTRAWTAEENRHGDLLNKYLYLTGRVDMKQIEKTIQYLIGSGMDPRSENNPYLGFIYTSFQERATFISHGNTARLAKDHGD SLTSWAIWTRAWTAEENRHGDLLNKYLYLSGRVDMRHVEKTIQYLIGSGMDPRTENNPYLGFIYTSFQERATFISHGNTARLAKDHGD SLTPWAIWTRAWTAEENRHGDLLNKYLYLSGRVDMRQIEKTIQYLIGSGMDPRTENNPYLGFIYTSFQERATFISHGNTARLAKEHGD SLTSWAIWTRAWTAEENRHGDLLNKYLYLSGRVDMRQIEKTIQYLIGSGMDPRTENNPYLGFIYTSFQERATFISHGNTARLAKEHGD SLTSWAIWTRAWTAEENRHGDLLNKYLYLSGRVDMKQIEKTIQYLIGSGMDPRTENNPYLGFIYTSFQERATFISHGNTARLAKEHGD
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	78 KSLEGWASEWVLPLLKPVEQCWQPQNFLPDPS-LPHEEFSHQVKELRERTKELPDEYFVVLVGDMVTEDALPTYQTMINNLDGVKDDSG (corn) AHLEPWAEAHVLPLLKPAEEAWQPSDMLPDPAALGDEGFHDACRELRARAASVPDAHLVCLVGNMITEEALPTYQSVPNRFEAVRDLTG (corn) RSLEGWAARSLLPLLKPVEECWQPADFLPDSSSEMFGHEVRELRARAAGLPDEYFVVLVGDMVTEEALPTYQTMINTLDGVRDETG	(soy)  KSLEGWASEWVLPLLKPVEQCWQPQNFLPDPS-LPHEEFSHQVKELRERTKELPDEYFVVLVGDMYTEDALPTYQTMINNLDGVKDDSG (corn)  AHLEPWAEAHVLPLLKPAEEAWQPSDMLPDPAALGDEGFHDACRELRARAASVPDAHLVCLVGNMITEEALPTYQTMINNLDGVRDETG (corn)  RSLEGWARSLLPLLKPVEECWQPADFLPDSSSEMFGHEVRELRARAAGLPDEYFVVLVGDMYTEEALPTYQTMINTLDGVRDETG (rice)  RSLEGWARSSLLPLLKPVEECWQPTDFLPDSSSEMFEHQVHELRARAAGLPDEYFVVLVGDMITEEALPTYQTMINTLDGVRDETG KSLESWASQSVLPLLKPVEECWQPTDFLPDSSSEMFEHQVHELRARAAGLPDEYFVVLVGDMITEEALPTYQTMINTLDGVRDETG KSLEGWAEENVLVHLKPVEKCWQPQDFLPDPASEG-FMDQVKELRERTKEIPDEYFVVLVGDMITEEALPTYQTMLNTLDGVRDETG KSLEGWAEEDVLLPHLKPVEKCWQPQDFLPPPASDG-FEEQVKELRARAKELPDDYFVVLVGDMITEEALPTYQTMLNTLDGVRDETG (soy)  KSLEGWAEDVLLPHLKPVEKCWQPQDFLPPPSSDG-FEEQVKELRARAKELPDDYFVVLVGDMITEEALPTYQTMLNTLDGVRDETG

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405 RQWRVEELAAGLSGEGRRARDYVCGLPHKIRRMEEKAHDRAAQTQKKPTSVPFSWIFDRSVNVVIP ERWRLEKLE-GLMAEGKRAQDFVCGLAPRIRRLQERADERARKMKKHHG-VKFSWIFNKE---LLL

REWRVEELAAGLSGEGRRARDYVCELPQKI RRMKEKAHERAVKAQKKPI SI PINWI FDRHVSVMLP KRWKLETLESGLSGEGRRARDFVCGLAPRMRRAAERAEDRAKK-DEPRM-VKFSWIFDRE---AVV

KRWKLETLETGLSGEGRRARDFVCGLAKRMRRAAERAEDRAKK-DEQRK-VKFSWIYDRE---VIV GRWRLEKVQ-DLKDEGKKAQDFVCGLAPRIRRLQERADERARKMK-PHA-VKFSWIFNKE---IIL

NRWKVENL-MGLSGEGHKAQDFVCGLAPRIRKLGERAQSLSKPVS-L--VPFSWIFNKE---LKV 3RWKVDAF-TGLSGEGNKAQDFVCGLPARIRKLEERAAGRAKQTSKS---VPFSWIFSRE---LVL RRWEVEKLGMGLSGEGRRAQDYLCTLPQRIRRLEERANDRVKLASKSKPSVSFSWIYGRE---VEL

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SID16 (rice)

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